

Social Area Country- SAC: **Group Language Processing**

LANGUAGE PROCESSING IN NATURAL GROUPS.

**SOCIAL, AREA, COUNTRY, THING, PEOPLE AND LOCAL
GROUPS.**

Dr. Frank Appiah

1Cambridge Cognition *Thing, People and Local Groupings*

Social Area Country- SAC: **Group Language Processing**

KING'S COLLEGE
CAMBRIDGE
BRITIAN
UNITED KINGDOM.

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Literature Review

This is about language processing of natural groups from the perspective of (S)ocial group, (A)rea group, (C)ountry group, thing group, people group and local group in engineering perspective. A human-computer interface(HCI) made with graphical user interface is provided to stimulate the generation of new language from a text. The text is read from file and processed into a vector data structure and keyed positions for each group is sub-listed into a tabbed orientation interface. This tab-oriented interface is randomly selected to create a simulation of interaction automatically. A group analysis is performed on each line of text as provided in a file system. This analysis is made in the sense of negation of failure to address negative language with words like *do-not*, *are-not*, *will-not*, *is-not* and more. The discovery in this project dubbed as **JSocioAreaCountGrp** is the formation of

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alphabets of alpha colouring with no-alpha coloured text.

This creates an aesthetic appearance of text shadow-likes in a text panel with support for hypertext markup language (Html). The HCI is made with Java Swing Framework.

The discovered is an engineering of a new group language called “*SAC Group Language*”. Social, area and country groups are the main focus in this research. The text language is a common language from natural experiences of every home or house.

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CHAPTER 1

INTRODUCTION

1 INTRODUCTION

This section is about the human-computer interface design issues. Then I will discuss the computer language used in the development of the GUI application as shown below.

The screen shot of GUI application,

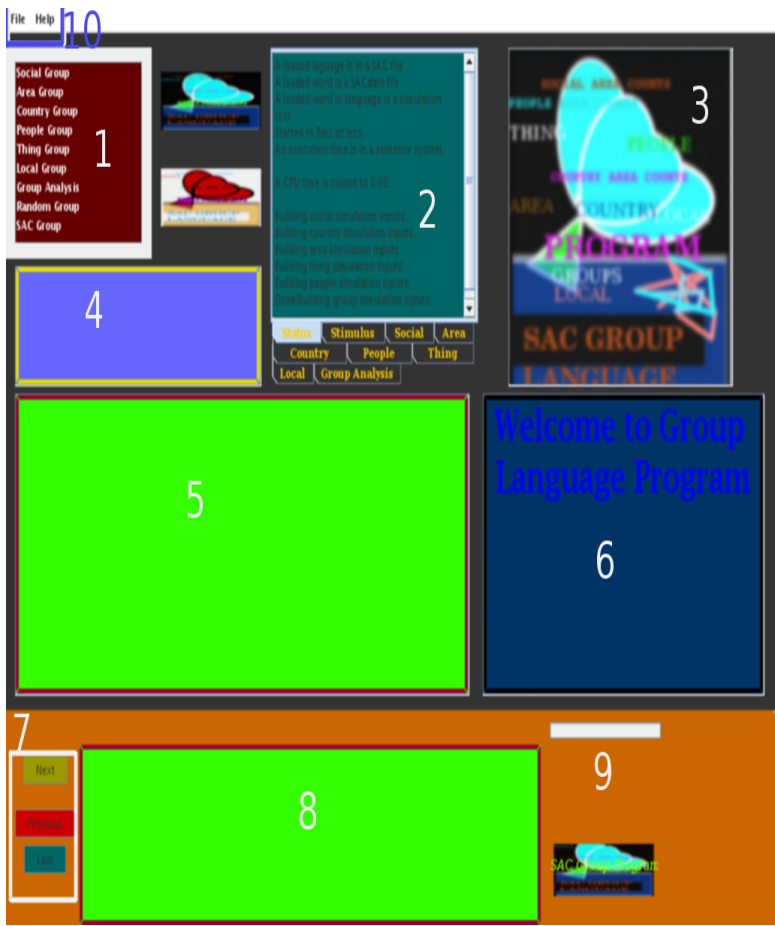


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JSocioAreaCountGrp shows numerated boxes to indicate the panels of focus and interface. There are 10 enumerated boxes namely:

1. Group List View Panel
2. Tab-Oriented View Panel
3. Image View Panel
4. Group Selection View Panel
5. Text View Panel
6. Welcome/Text View 2 Panel
7. Learning Button Panel
8. Text View 3 Panel
9. Status/Progress Animation Label and
10. File / Help Menu.

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The details of the UI design will start with:

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1. **Group List UI:** This is a list interface with about 10 elements with each corresponding to a map of key, integer and a value of string. A list index variable is used to automatically select the item at incremental value of 1. On a social group selection, a list of strings mapped to a key each is retrieved and set as text to a view panel in (4). If there are about 10 strings in each map then there will be able 100 strings in total.
2. **Tab-Orient View Panel:** This is a panel container of tabbed pane which consist of about 9 tabs in total. The 9 tabs are arranged as Status Tab, Stimulus Tab, Social Tab, Area Tab, Country Tab, People Tab, Thing Tab, Local Tab and Group Analysis Tab. The view has a bottom tab placement orientation policy.
 - The *Status tab* is a text container that only allows a set text in its pane. It collects all activities taking place in the group

language program. This includes the index variables used in animating and simulating the whole UI. It indicates each selected tab in this view pane.

- *Stimulus Tab* is a list container that has elements of language from text processed vector data structure. An element in the list UI is randomly selected by a global index variable to simulate the interface. This is the whole languages or sentences in the text document or file.
- *Social Tab* is a tab containing a list UI of social group language elements. An item is selected at random by a variable index which increases by 1 and it is checked for overflow by the size of language vector set to the List UI.
- *Area Tab* is a tab containing a list UI of area group language elements. An item is

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selected at random by a variable index value which increases by 1 and it is checked for overflow by the size of language vector set to the List UI.

- *Country Tab* is a tab containing a list UI of country group language elements. An item is selected at random by a variable index which increases by 1 and it is checked for overflow by the size of language vector set to the List UI.
- A *People tab* contains a list UI of people group language elements. An item language is selected at random by an incremental variable index which increases by 1 and it is checked for overflow by the size of language vector set to the List UI.
- A *Thing Tab* contains a list UI of thing group language elements. A thing language element is selected at random by an

incremental variable index which increases by 1 and it is checked for overflow by the size of language vector set to the List UI.

- A *People tab* contains a list UI of people group language elements. An item language is selected at random by a incremental variable index which increases by 1 and it is checked for overflow by the size of language vector set to the List UI.
- A *Group Analysis* tab contains a list UI of group analysis language elements corrected by negation of failure senses. An item language is selected at random by a incremental variable index value which increases by 1 and it is checked for overflow by the size of language vector set to the List UI.

3. **Image View Panel:** This panel is used to show an image of text information about the application and

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addressing the concerns of its use and its importance. It has text as SAC GROUP Language, Social, Area, Country, People, Thing, Group, Analysis and more in the image.

4. **Group Selection View Panel:** This view is a text pane that supports HTML rendering to text concerning font size, font type, font style and more. A selected item in Group List UI causes an effect of text display in this Text UI. This text UI has alpha colour support that gives a beautiful display of text.
5. **Text View Panel:** This view is also a panel that displays a text set to it. It displays a HTML-rendered style of text with alpha colouring. It gets its group language from the whole global vector data structure. With an incremental variable index, a map of this index variable is used to access the string of group language and then it is set to the text UI panel.

6. **Welcome/ Text View 2 Panel:** A welcome message shows in this text view panel. It is temporary because it is also used to simulate text from the global vector structure. It has a different index variable that increases at incremental steps.
7. **Learning Button Panel:** This panel has three buttons named as; next, previous and back. This is used to learn about group language because the simulation can be fast and so not readable sometimes. The next button causes a nextIndex variable to increase each time it is pressed and so will set a new retrieved text to be displayed in a Text View described at (6).
8. **Text View 3 Panel:** This is a container used to render an HTML text made from a group analysis vector structure. This vector of language is a naturally processed text language that the author made from the various group languages. This text UI pane shows nice text which is coloured and

styled with boldness to bring an aesthetic purpose to the interface user.

9. **Status/Progress Animation Label:** This is a swing support feature from Java Swing Framework. It is used to create animation of processes. It indicates a status with labelling and inter-media rendering of images to simulate a functioning application.

10. **File/Help Menu:** The file menu has about 6 menu items namely: Set Sleep Time, Run/Stop Simulation, Start Animate, Stop Animate, Capture Screen and Exit.

- *Set Sleep Time* : This allows one to change the timing variable used in animating and simulating the whole application UI. There are about more than 6 variables that will have new timing elapses before they are called by the action listeners.
- *Run/Stop Simulation:* This can run as start

or stop a text simulation from taking place in a text UI pane. It is a resource freeing functionality coded to bring out computer resource from running out.

- *Start Animate*: This starts a similar animation functionality but cannot stop until a stop animate menu is pressed and selected.
- *Stop Animate*: If a start animate functionality is activate then it can be stop by this menu item. When pressed, it will remove the action listener for a start animate functionality so that it can be started again.
- *Capture Screen*: This functionality is capable of capturing the display screen at specified points on the screen to an image file. It creates a screen copy of the application UI for printing purposes.

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- *Exit* : This will close the application until a new execution is called. It will remove the application name from the processes of the Operating System(OS). All functionality and resources are released to the OS.

Help Menu displays an about application UI. This shows what the application is all about in supporting the engineers work of development.

1-1 Group Language

The group language is based on social, people, area, country, thing and local dimensions of the society or community. This section will look at the languages categories as under the dimensions of groups. The sentence for each group language is shown in the tabular form.

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Category	Group Language
Country	1. You are the owner of this country.
Group	2. This is my country.
	3. The government is not a country friend.
	4. This is my house or home.
	5. This is not your house but your parents especially your father.
	6. This is not your place of ownership.
	7. I will let you do my research project.
	8. I will let a woman join my research group.
	9. I will let a blackman join the research group.
	10. This is my house or home.
	11. This is not your house but your parents especially your father.
	12. This is not your place of ownership.
	13. I will join a research group/group with a whiteman.

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<i>Category</i>	<i>Group Language</i>
Area Group	<ol style="list-style-type: none"> 1. You are not a member of us. 2. This is my office space. 3. Please leave my office with the security team. 4. Do not come here until you have the form. 5. The number is not correct or valid. 6. You are not a member of staff. 7. You are not a member of us. 8. Please leave my office with the security team. 9. The number is not correct or valid.

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<i>Category</i>	<i>Group Language</i>
Social Group	<ol style="list-style-type: none"> 1. You are not a professor. 2. You are not a schoolmaster. 3. You are not a schoolteacher or teacher. 4. I am not your mentor but of the office. 5. You are not my friend. 6. You are not my supervisor or adviser. 7. There is no scholarship for you until granted. 8. Your pension is pay but not your earnings. 9. I do not like you just want to be like you. 10. Your expression of interest is closed to next round. 11. Let the christmas bring you, the expression of interest. 12. I am out of office due to sickness. 13. You are not my wife. 14. I am not a married person. 15. I love you not because I can feel you. 16. I do not want to see you again.

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<i>Category</i>	<i>Group Language</i>
People Group	<ol style="list-style-type: none"> 1. I am a grade 1 professor. 2. I will join a pop music group. 3. You are the owner of this country. 4. I am your teacher because I just visit the classroom. 5. You are my mate from department or school. 6. I want to elect a wife from my girlfriend group. 7. I want to talk to your father about marriage or friendship. 8. You grandma wants to see you. 9. I will let a woman join my research group. 10. I will let a blackman join the research group. 11. You are not my partner in business.

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<i>Category</i>	<i>Group Language</i>
Thing Group	<div>1. Just put on a ring to fake married.</div> <div>2. This is my house or home.</div> <div>3. This is not your house but your parents especially your father.</div> <div>4. This is not your house but your parents especially your father.</div>

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<i>Category</i>	<i>Group Language</i>
Local Group	<ol style="list-style-type: none"> 1. You are not a professor. 2. You are not my friend. 3. I will control you through your armpit smell. 4. I will not greet because you in a far universe. 5. You are not a schoolmaster. 6. I am your teacher because I just visit the classroom. 7. You are not my partner in business. 8. Ha ha, you are not smart. 9. You are not a schoolteacher or teacher. 10. I am not your mentor but of the office. 11. You are not my friend. 12. I will control you through your armpit smell. 13. I will not greet because you in a far universe. 14. I want to talk to your father about marriage or friendship. 15. I now live like a bird hanging in air

1-2 Read Simulation Methodology

The language engineering is a machine-readable process of reading text language from a file system and building a vector structure globally to be access by the sub-listers into various tab-oriented view UI. These sub-listers are the groups introduced earlier in this book.

```
try {  
  
    BufferedReader br = new BufferedReader(new FileReader("groupossay.txt"));  
    String dat;  
    int c = 0;  
  
    while ((dat = br.readLine()) != null) {  
        stimulaVect.add(new String(dat));  
        groupAnaly.put(c, new String(dat));  
        c++;  
    }  
}
```

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CHAPTER 2

GROUP

ANALYSIS

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2 GROUP ANALYSIS

The group analysis will take shape from social dimensions, area dimensions, people dimensions, country dimensions, thing dimensions and local dimensions. The analysis is on the group languages developed in Chapter 1. This is approached on *negation as failure*. This simply to turn the language from its negation to position. This is exercised as “**position as pass**”. Words like is-not, no-one, has-no, have-no, will-not, are-not, do-not and etc will fail and needs to pass to position. A list of sentences will be selected from the group language and will analysed as failure language and a pass language will be formed to address the negation to fail.

The failure language and pass language is represented in tabular form:

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<i>Failure</i> <i>Language</i>	<i>Pass Language</i>
You are not the owner of this country.	You think you are the owner of this country.
I am married and do not want know you.	Don't married people know other people.
Nobody said anything about you.	Someone told me about you and I want to like you.
You are not greedy.	Greedy at home, how?
You have no friends at home.	Do you have friends at home?
No one visits you because you are a professor.	Do visit a professor sometime to know how.
You have no friends at home.	Make new friends if you can.

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<i>Failure</i> <i>Language</i>	<i>Pass Language</i>
When you are not in love then I will love back.	I will love back if you love me.
I will control you through your armpit smell.	Armpit smell is lovely. You bushy girl.
If you do not like then I will let you smell like me.	Get a nice perfume for your armpit smell.
I am not a married person.	Talk about marriage or friendship with me.
I will not greet because you in a far universe.	The universe is too big to greet someone.
You are not my partner in business.	My partner in business and not just a partner in marriage.

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<i>Failure</i> <i>Language</i>	<i>Pass Language</i>
You are not a schoolteacher or teacher.	I am your teacher so will visit the classroom.
Ha ha, you are not smart.	Smart people do laugh.
I now live like a bird hanging in air.	Birds do fly in air I guess do hang also.
I will let you do my research project.	I will do my research project.
I will join a pop music group.	I will sing with the pop music group.
I am 38 and older than you.	I think older people are over 55 years of age.
I am a grade 1 professor.	Grade 1 professors are research assistants.

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<i>Failure</i> <i>Language</i>	<i>Pass Language</i>
I have a knee problem so can be your friend so stay far away.	Sitting on you will cause knee stress.
No country is ever a home.	You think this country is your home.
Father's do born a country.	This is not your father's country.
There is interest in parents giving a country to their children.	You parents have not express an interest for you in this country.
I have a home in your way of life.	Stay away from my office.
Owners of things do not give it away.	I am the owner of this thing. Get away from it.

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<i>Failure</i> <i>Language</i>	<i>Pass Language</i>
Please leave my office with the security team.	I will get the security officer to get you out of this place.
The number is not correct or valid.	Get a valid number as soon as possible.
Do not come here until you have the form.	Don't come with the form or else.
Special people do not mentor their self.	Mentor yourself you think you are special.
You are not my professor	I don't want to be your professor at all, you kid.
You are not a schoolmaster.	I will master it all from the school.
I do care about supervisor or adviser.	Whether supervisor or adviser, I do not care.

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<i>Failure</i> <i>Language</i>	<i>Pass Language</i>
Your salary is made with a pension payment.	You earnings will be deducted before pension is made.
Sick people do stay at the office.	Sick people stays out of office.
One day, I will	I will marry one day.
I want to love you.	Just want to know if you like me.
I will give no scholarhsip until next round.	Until next round, you get no scholarship.
I do feel married people.	I am married person, you feel me.
Though, you are married, I will see you sometime.	I want to see you even though you are married.

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Failure Language	Pass Language
Stay with the knee problem.	Stay far away with your knee problem.
Just put on a ring to fake married.	Rings indicate a married and divorce person.
Just put on a ring to fake married.	A ring shows a married person.
I want to elect a wife from my girlfriend group.	Wifes are wedded and not elected as a vote candidate.
Short of things do make one heighten his height.	You must be short of nothing but needs to heighten one's length.
Space is made in the mind.	Space grows up/down to enable heightening or reducing.

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<i>Failure</i> <i>Language</i>	<i>Pass Language</i>
Talks with the young ones is said with the older folks.	Older people talks for young ones to listen.
Lie experiences are with the older people.	Older people has more lies in their experiences.
I like you in the mind only.	Mind in universe is strong place to dislike.
Do not stay in the mind for exotic purpose.	Guard in mind is an exotic alike.
There is much space in the universe.	Universe gets no one tire of anything.
White women do like blackman.	Guts on black faces makes strong dislike to white women.

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<i>Failure</i> <i>Language</i>	<i>Pass Language</i>
I am not your brother and do not want to know you.	Stop bothering me and just get to know me.

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CHAPTER 3

LANGUAGE ENGINEERING.

3 LANGUAGE ENGINEERING

Group Language Engineering(GLE) is about engineering group languages grouped from the perspectives of (S)ocial grouping, (A)rea grouping, (C)ountry grouping, thing grouping, people grouping and local grouping. GLE is a software engineering subject. A human-computer interface (HCI) made with graphical user interface is provided to stimulate the generation of new language from a text. A text is read from file and processed into a vector data structure and keyed positions for each group is sub-listed into a tabbed orientation interface. A tab-oriented interface is randomly selected to create a simulation of interaction automatically. A group analysis is performed on each line of text as provided in a file system by natural language.

The discovery project dubbed as

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JsocioAreaCountGrp. This is the formation of alphabets (language) of alpha colouring with no-alpha coloured text. This creates an aesthetic appearance of text shadow-likes in a text panel with support for hypertext markup language (HTML). The HCI is made with Java Swing Framework. The discovered is an engineering of a new group language called “*SAC Group Language*”. Social, Area and Country groups are the main focus in this research. The text language is a common language from natural experiences of every home or house.

This section is about how do we create a new language from the group languages in Chapter 2 to generate a more engineered language. Several captured screen shots are shown to depict the main source of an engineering language. Do not get confused about the terms in engineering with an engineering language. There are quite different in all terms.

Language engineering is about a machine used to create new

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language from perspective of a running text colouring with a transparent effect in a human-computer interface.

3-1 Text GUI Screenshot 1-6



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SAC Group Language: (S)ocial-(A)rea-(C)ountry Program

File Help

Social Group
Area Group
Country Group
People Group
Thing Group
Local Group
Group Analysis
Random Group
SAC Group

You are not a professor.
You are not my friend.
I will control you through your ampute.
I will not greet because you in a far away.
You are not a schoolmaster.
I am your teacher because I just visit the
You are not my partner in business.
Ha ha, you are not smart.
You are not a schoolteacher or teacher.

Status Stimulus Social Area
Country People Thing
Local Group Analysis

58 := You are not a member of staff. ry is your home country.

Welcome to Group Language Program

SAC Group Language: (S)ocial-(A)rea-(C)ountry Program

File Help

Social Group
Area Group
Country Group
People Group
Thing Group
Local Group
Group Analysis
Random Group
SAC Group

This is my office space.
Please leave my office with the security
Do not come here until you have the for
Please leave my office with the security
Do not come here until you have the for
You are not a member of staff.
You are not a member of us
The number is not correct or valid.
Please leave my office with the security

Status Stimulus Social Area
Country People Thing
Local Group Analysis

142 := Just put on a ring to fake

Welcome to Group

SAC Group Language: (S)ocial-(A)rea-(C)ountry Program

File Help

Social Group
Area Group
Country Group
People Group
Thing Group
Local Group
Group Analysis
Random Group
SAC Group

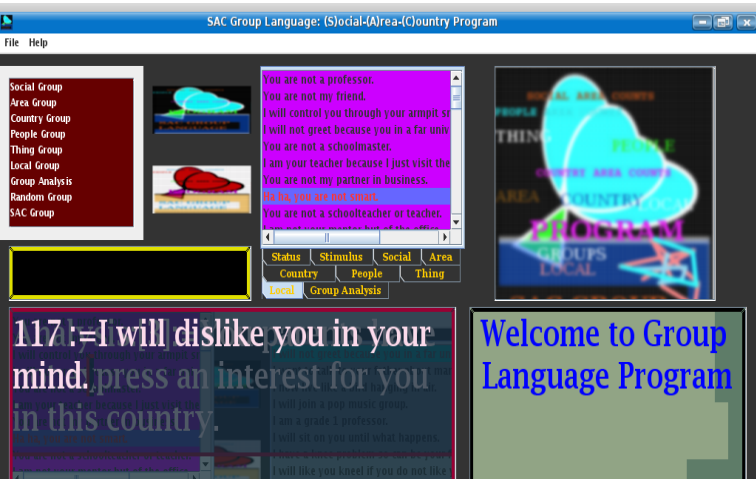
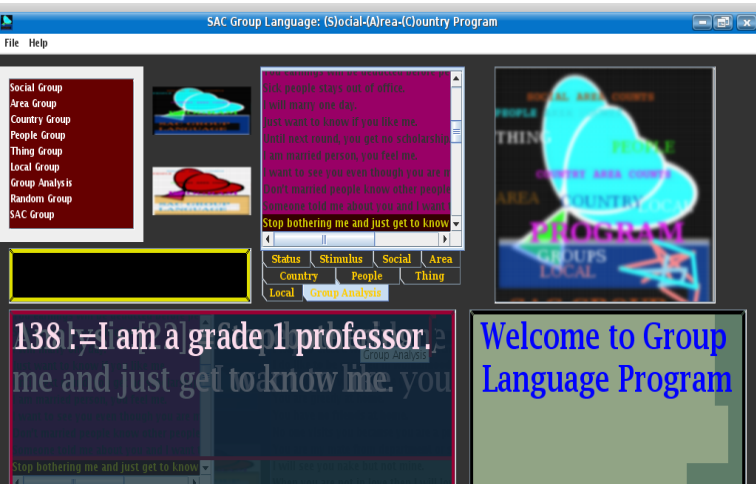
country data is tested.
social data is tested.
local data is tested.
people data is tested.
thing data is tested.
intelligence data is tested.
Describing simulation data as group analysis.
Time Sequence=2 Action Sequence=1
Time Count=2 The Message=11
Time Sequence=1 Action Sequence=2
Group Count=2 The Message=22

Status Stimulus Social Area
Country People Thing
Local Group Analysis

30 := This is not your place of ownership. bushy girl.

Welcome to Group Language Program

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Conclusion

This project discusses about four or more group languages that you have come across in daily life. For the purpose of cognition and language learning, one can think of a gathering of social statue, area, country and more where a simulation of common sensing language barriers that may need addressing. Language is important in a developmental process of young persons of all ages.

A practical simulation tool and with list techniques are implemented for natural language processing in computer system.

Social language is of much importance but not what extent is it in comparison to country-side language. The comparison of languages whether to social, area, country or either, similarity measures can be applied. In other project like Letter combinatorics, I use letter counts to assess the similarity of expressions and the operations it can be computed in the sense of mathematical cognition.

A survey on failure languages and pass languages of computational methods used for understanding, generating and

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manipulating human language in groups, which offers a synthesis of classical representations and algorithms with machine learning.

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